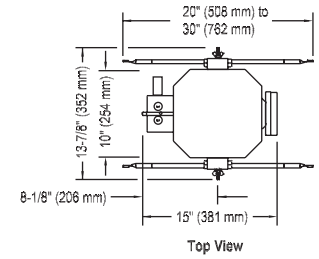
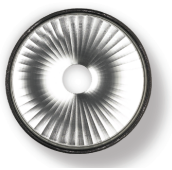
Calculite® HID Adjustable Accent **C4T4A-MHT4RS**

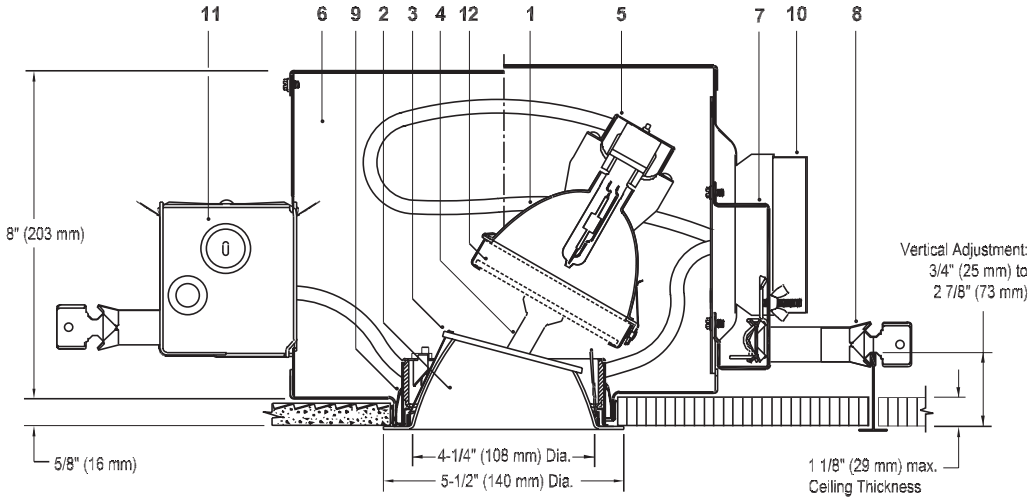
4 1/2" Aperture, T4.5, Ceramic Metal Halide, 12° Spot



Spot
Upper Reflector



Ceiling Cutout: 5 1/2" (130mm) Dia.



For Complete Fixture Order: Trim Kit + Spot Upper Reflector (MHT4RS) + Frame-In Kit. Each Sold Separately.

Trim Kit + Spot Upper Reflector

C4T4A ☐ + MHT4RS (Spot Upper Reflector)

CLW	Specular Clear, White Painted Flange
CLP	Specular Clear, Matching Flange
CCDW	Comfort Clear Diffuse, White Painted Flange
CCDP	Comfort Clear Diffuse, Matching Flange
CCZW	Champagne Bronze, White Painted Flange
CCZP	Champagne Bronze, Matching Flange

Frame-In Kit / Lamp

C4A20T4E1	Electronic 120V	20W T4.5	Ceramic MH
C4A20T4E2	Electronic 277V	20W T4.5	Ceramic MH
C4A39T4E1	Electronic 120V	39W T4.5	Ceramic MH
C4A39T4E2	Electronic 277V	39W T4.5	Ceramic MH
C4A70T4E1	Electronic 120V	70W T4.5	Ceramic MH
C4A70T4E2	Electronic 277V	70W T4.5	Ceramic MH

Features

1. **Spot Upper Reflector:** Specular faceted aluminum; provides 12° beam. Interchangeable with 25° Narrow Flood (MHT4RNF) and 40° Flood (MHT4RF); see spec sheets C4T4A-MHT4RNF and C4T4A-MHT4RF.
2. **Trim Kit:** Low brightness aperture cone; anodized aluminum, self-flanged in painted white or aperture-matching polished flange. Consult factory for other finishes.
3. **Lamp Shield:** High-temperature glass as required by code; captive during re-lamping.
4. **Trim Kit Adjustment Mechanism:** Provides 35° vertical tilt, 360° horizontal rotation; lockable. Patented EZ-Aim Helical Drive System provides fast and accurate hot aiming with Philips screwdriver.
5. **Socket Housing:** Galvanized steel, pre-wired with G8.5 pulse rated socket. Snaps onto yoke for secure attachment without tools; unitized construction assures proper alignment of lamp to optics for consistent optical performance.
6. **Frame Housing:** Steel, 0.029" (22-Ga.), matte black finish. Removable cover for top re-lamping.
7. **Frame Vertical Adjustment Mechanism:** Accommodates mounting to virtually any ceiling system using pre-installed mounting bars, or 1/2" EMT tubing (by others). Single locking feature secures all adjustments. Alignment holes and markings allow fixture to be pre-set prior to installation. Final adjustment can be made from below from inside fixture.
8. **Mounting Bars:** Galvanized steel, 0.048" (18-ga.), pre-installed telescoping bars extend to 30" long and lock securely into position. Built-in locking tabs provide positive attachment to common T-bar systems. Self-centering feature simplifies installation in 24" O.C. grid systems. Attaches to steel or wood joists without accessories.
9. **Retention Springs:** Rust resistant springs secure trim for quick, tool-less installation.
10. **Ballast / Cover Assembly:** Accessible from below and removable without tools for inspection and ballast replacement .
11. **Junction Box:** 0.059" (16-ga.) galvanized steel. UL listed for 8 No. 12 AWG, 90° C through branch circuit conductors. Allows inspection from below.
12. **Optional Accessory Holder:** Sold separately catalog # CAH4; die-formed steel, matte black finish, slide-in installation. Accepts up to two 3 3/4" dia. media.

Features (cont.)

13. **Thermal Protector:** (Not Shown) Meets NEC and UL requirements. Do not install insulation above nor within 3" (76mm) of any part of the luminaire.

Electrical

Electronic Ballast: 120V or 277V, 50/60 Hz., encased, high power factor, T.H.D. <15%, thermally and transient protected, RMI/RFI complies with FCC Part 18 non-consumer limits, shut-down circuit at end of lamp life, sound rating "A", -5° F minimum starting temperature, Type 1 Outdoor rating.

Ballast	ANSI Code	Voltage	Max. Amps	Input Watts
20W MH	M156	120/277	0.21/0.10	23
39W MH	M130	120/277	0.39/0.17	44
70W MH	M139	120/277	0.67/0.29	78

Options and Accessories

Chicago Plenum: Consult Factory

Labels

UL (Suitable for Damp Locations), CSA, I.B.E.W.

Job Information Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

Lightolier a Genlyte Thomas Company www.lightolier.com
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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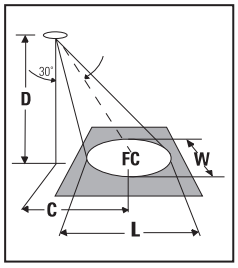
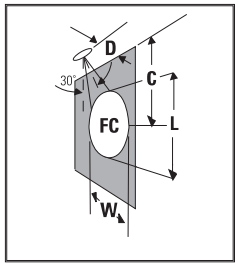
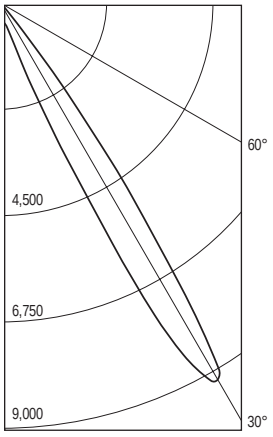
LIGHTOLIER®

(**FC**) is initial footcandles at center of beam. Beam length (**L**) and beam width (**W**) are to where the candlepower is reduced to 50% of the center beam candlepower. (**C**) is the distance to the center of the beam.





CANDLEPOWER DISTRIBUTION



20W LAMP T4.5 – SPOT UPPER REFLECTOR

ANGLE	WALL
0	224
5	305
10	411
15	504
20	1527
25	5611
30	9201
35	4107
40	426
45	66
50	20
55	8
60	3
65	0
70	0
75	0
80	0
85	0
90	0

AIMED 30° TOWARD WALL

T4 20W G.E. METAL HALIDE LAMP
LUMEN RATING = 1700 LMS.

CBCP= 9,201cd
BEAM ANGLE = 11°
AROMAT 20W ELECTRONIC BALLAST

DATE: OCT 30, 2003
CERTIFIED TEST REPORT NO. 2351FR
COMPUTED BY LSI PROGRAM
TEST-LITE

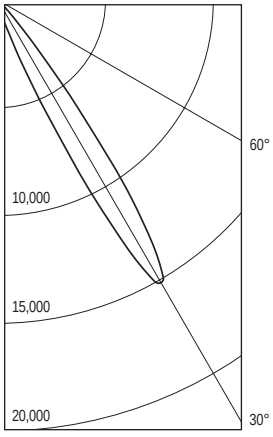
30° Aiming Angle Horizontal Surface

D	C	FC	L	W
6'	3.5'	166	1.5'	1.3'
8'	4.6'	93	2.1'	1.8'
10'	5.8'	60	2.6'	2.2'
12'	6.9'	42	3.1'	2.7'
15'	8.7'	27	3.9'	3.3'

30° Aiming Angle Vertical Surface

D	C	FC	L	W
2'	3.5'	288	1.6'	0.8'
3'	5.2'	128	2.4'	1.2'
4'	6.9'	72	3.2'	1.5'
6'	10.4'	32	4.8'	2.3'
8'	13.9'	18	6.3'	3.1'

CANDLEPOWER DISTRIBUTION



39W T4.5 – SPOT UPPER REFLECTOR

ANGLE	WALL
0	359
5	474
10	646
15	886
20	2519
25	8378
30	15143
35	9185
40	2124
45	379
50	59
55	16
60	0
65	0
70	0
75	0
80	0
85	0
90	0

AIMED 30° TOWARD WALL

T4 39W PHILIPS METAL HALIDE LAMP
LUMEN RATING = 3300 LMS.

CBCP= 15,143 cd
BEAM ANGLE = 12°
AROMAT 39W ELECTRONIC BALLAST

DATE: OCT 30, 2003
CERTIFIED TEST REPORT NO. 2350FR
COMPUTED BY LSI PROGRAM
TEST-LITE

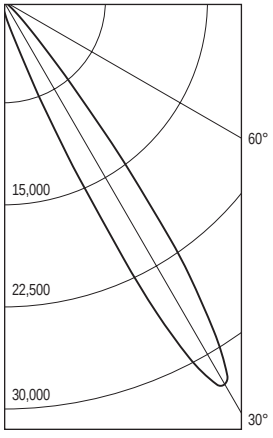
30° Aiming Angle Horizontal Surface

D	C	FC	L	W
8'	4.6'	154	2.3'	1.9'
10'	5.8'	98	2.8'	2.4'
12'	6.9'	68	3.4'	2.9'
15'	8.7'	44	4.2'	3.6'
20'	11.5'	25	5.6'	4.9'

30° Aiming Angle Vertical Surface

D	C	FC	L	W
3'	5.2'	210	2.6'	1.3'
4'	6.9'	118	3.5'	1.7'
6'	10.4'	53	5.2'	2.5'
8'	13.9'	30	7.0'	3.4'
12'	20.8'	13	10.4'	5.0'

CANDLEPOWER DISTRIBUTION



70W T4.5 – SPOT UPPER REFLECTOR

ANGLE	WALL
0	569
5	804
10	1315
15	2448
20	6705
25	20862
30	32535
35	21397
40	6307
45	1906
50	472
55	73
60	23
65	7
70	0
75	0
80	0
85	0
90	0

AIMED 30° TOWARD WALL

T4 70W PHILIPS METAL HALIDE LAMP
LUMEN RATING = 6400 LMS.

CBCP= 32,535 cd
BEAM ANGLE = 13°
AROMAT 70W ELECTRONIC BALLAST

DATE: OCT 25, 2003
CERTIFIED TEST REPORT NO. 2345FR
COMPUTED BY LSI PROGRAM
TEST-LITE

30° Aiming Angle Horizontal Surface

D	C	FC	L	W
8'	4.6'	330	2.4'	2.1'
10'	5.8'	211	3.1'	2.6'
12'	6.9'	147	3.7'	3.2'
15'	8.7'	94	4.6'	3.9'
20'	11.5'	53	6.1'	5.3'

30° Aiming Angle Vertical Surface

D	C	FC	L	W
3'	5.2'	452	2.8'	1.4'
4'	6.9'	254	3.8'	1.8'
6'	10.4'	113	5.7'	2.7'
8'	13.9'	64	7.6'	3.6'
12'	20.8'	28	11.4'	5.5'

LIGHTOLIER®

Job Information | Type:

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